

In The Claims

The following is a complete listing of revised claims with a status identifier in parenthesis.

LISTING OF CLAIMS

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (New) A method comprising the steps of:
demultiplexing a signal comprising pairs of wavelength division multiplexed optical signals, each pair comprising a non-inverted optical signal and an associated, separate inverted optical signal;
comparing a light intensity of each non-inverted signal to a light intensity of its associated inverted signal;
selecting the signal with the higher intensity; and
selecting a bit associated with the higher intensity as a received bit.

16. (New) The method as in claim 15 wherein the bit comprises a binary 1 or 0.

17. (New) The method as in claim 15, further comprising:
generating the wavelength division multiplexed optical signal comprising the pairs of optical signals.

18. (New) A system comprising a receiver operable to:
demultiplex a signal comprising pairs of wavelength division multiplexed optical signals, each pair comprising a non-inverted optical signal and an associated, separate inverted optical signal;
compare a light intensity of each non-inverted signal to a light intensity of its associated inverted signal;
select the signal with the higher intensity;

select a bit associated with higher intensity as a received bit.

19. (New) The system as in claim 18 wherein the bit comprises a binary 1 or 0.

20. (New) The system as in claim 18, further comprising a transmitter operable to:
generate the wavelength division multiplexed optical signal comprising the pairs
of optical signals.